

163  
162

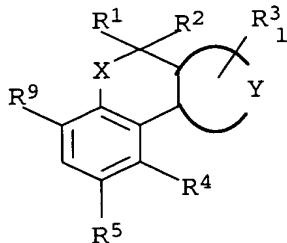
### Tricyclic benzoylpyrazole derivatives

#### Abstract

**5**

Tricyclic benzoylpyrazole derivatives of the formula I

**10**



**15** where:

**X** is oxygen, sulfur, S=O, S(=O)₂, CR<sup>6</sup>R<sup>7</sup>, NR<sup>8</sup> or a bond;

**20** **Y** together with the two carbons to which it is attached forms a saturated, partially saturated or unsaturated 5- or 6-membered heterocycle;

**R¹, R², R⁶, R⁷** are hydrogen, alkyl, haloalkyl, alkoxy or haloalkoxy;

**25** **R³** is halogen, alkyl, haloalkyl, alkoxy or haloalkoxy;

**30** **R⁴** is hydrogen, nitro, halogen, cyano, alkyl, haloalkyl, alkoxy, haloalkoxy, alkylthio, haloalkylthio, alkylsulfinyl, haloalkylsulfinyl, alkylsulfonyl,

**35** **R⁵** haloalkylsulfonyl, unsubstituted or substituted aminosulfonyl or unsubstituted or substituted sulfonylamino;

**40** **R⁵** is hydrogen, alkyl or halogen;

**35** **l** is 0, 1 or 2;

**45** **R⁸** is hydrogen, alkyl, haloalkyl, alkylcarbonyl, formyl, alkoxy carbonyl, haloalkoxycarbonyl, alkylsulfonyl or haloalkylsulfonyl;

**R⁹** is substituted pyrazol-4-ylcarbonyl or substituted 5-oxopyrazolin-4-ylmethylidene;

**45** and their agriculturally useful salts;

164  
163

processes and intermediates for preparing the tricyclic benzoylpyrazole derivatives; compositions comprising them and the use of these derivatives or of the compositions comprising them for controlling undesirable plants are described.

5

10

15

20

25

30

35

40

45